Name_____

ENERGY TRANSFER

Directions: As your team performs the experiment, record the results below.

Room Temp. Water	Add Ice Cubes			Add Cold Water			Add Room Temp. Water			Add Boiling Water		
	Start Temp.	End Temp.	Change	Start Temp.	End Temp.	Change	Start Temp.	End Temp.	Change	Start Temp.	End Temp.	Change
1 Cup												
1 Pint												
1 Quart												
1 Gallon												

Directions: Answer the questions below.

1. Which size of water container produced the greatest change in temperature?
2. Which size of water container produced the least change in temperature?
3. Is mass of the object (in this case, the body of water in the container) a factor in the rate of temperature change? Use evidence from the data to cite why or why not.
4. Which additions produced the greatest temperature change?
5. Which additions produced the least temperature change?
6. What can you conclude about the object added to the water – does it affect the overall temperature change? Cite evidence from the data to support your argument.